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AMENDMENTS TO THE CLAIMS

Please CANCEL claims 124-138, 140, 142, 155-162, 164-168,

170, 172-175, 178-184, 202-216, 226-235 and 239, without

prejudice.

Please AMEND the remaining claims and ADD new claims so that

the claims read as follows:

124 - 138. (Cancelled)

139. (Currently Amended) A fusion protein adapted for passing

across a cell membrane and incorporating an inhibitor moiety for

inhibiting binding of a MAP kinase with to an integrin.

140. (Cancelled)

141. (Currently Amended) A fusion protein according to claim 139

further comprising a carrier facilitator moiety for facilitating

passage across the cell membrane, wherein said facilitator moiety

is linked to said inhibitor moiety.

142. (Cancelled)

143. (Currently Amended) An agent for inhibiting binding of a MAP

kinase to an integrin, comprising:

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a targeting moiety for targeting a cell expressing the

integrin;

an inhibitor moiety for inhibiting binding of the MAP kinase

with to the integrin; and

a carrier facilitator moiety for facilitating passage of the

inhibitor moiety across the cell membrane of the cell, wherein

said facilitator moiety is linked to said targeting moiety and

said inhibitor moiety.

144. (Currently Amended) An agent according to claim 143, wherein

the inhibitor and carrier facilitator moieties are capable of

being released from the targeting moiety at the cell for passage

of the carrier facilitator moiety and the inhibitor moiety across

the cell membrane of the cell.

145. (Currently Amended) An agent according to claim 144, wherein

the agent comprises an enzyme cleavage site for being cleaved to

thereby release the carrier facilitator moiety and the inhibitor

moiety at the cell.

146. (Currently Amended) An agent according to claim 145, wherein

he enzyme cleavage site is a cleavage site for matrix-

metalloproteinase-9 (MMP-9).

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147. (Currently Amended) An agent according to claim 143 adapted

for release of the inhibitor moiety from the carrier facilitator

moiety after passage of the inhibitor moiety across the cell

membrane of the cell.

148. (Previously Presented) An agent according to claim 143

wherein the targeting moiety is an antibody or a binding fragment

of an antibody.

149. (Previously Presented) An agent according to claim 148,

wherein the antibody or the binding fragment is specific for an

extracellular region of the integrin.

150. (Currently Amended) An agent according to claim 143, wherein

the targeting moiety is an integrin receptor targeted peptide for

bindingthat is capable of binding to the integrin.

151. (Currently Amended) An agent according to claim 143, wherein

the inhibitor moiety is capable of binding to a binding site on

the MAP kinase for the integrin or to the binding domain of the

integrin for the MAP kinase.

152. (Currently Amended) An agent according to claim 151, wherein

the inhibitor moiety comprises a binding domain of the integrin

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for the MAP kinase or a partial core amino acid sequence of the binding domain that is capable of binding to the MAP kinase, or an analog or derivative thereof which is capable of binding with to the MAP kinase and thereby inhibiting binding of the MAP kinase to the integrin.

153. (Previously Presented) An agent according to claim 152, wherein the inhibitor moiety is an analog of the binding domain of an integrin subunit.

154. (Currently Amended) An agent for inhibiting binding of a MAP kinase to an integrin, comprising;

an inhibitor moiety for inhibiting binding of the MAP kinase to the integrin; and

a facilitator moiety for facilitating passage of the inhibitor moiety across the cell membrane of the cell, wherein said facilitator moiety is linked to said inhibitor moiety.

155 - 162. (Cancelled)

163. (Currently Amended) An isolated nucleic acid sequence encoding a fusion protein as defined in claim 139adapted for passing across the outer cell membrane of a cell and incorporating an inhibitor moiety for inhibiting binding of a MAP

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kinase to an integrin.

164 - 168. (Cancelled)

169. (Currently Amended) An expression vector incorporating a nucleic acid sequence as defined in claim 163 for being expressed in a cell.

170. (Cancelled)

171. (Currently Amended) A host cell transformed with a vector as defined in claim $\frac{170}{169}$.

172 - 175. (Cancelled)

176. (Previously Presented) A pharmaceutical composition comprising a fusion protein as defined in claim 139 together with a pharmaceutically acceptable carrier or diluent.

177. (Currently Amended) A pharmaceutical composition comprising an agent for inhibiting binding of a MAP kinase with an integrin as defined in claim 143 or claim 154, together with a pharmaceutically acceptable carrier or diluent.

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178 - 184. (Cancelled)

185. (Previously Presented) A method of screening for an agent

capable of inhibiting binding of a MAP kinase to a binding domain

of an integrin for the MAP kinase, comprising:

(b) determining if any said agent is capable of inhibiting

binding of the MAP kinase to the binding domain of the integrin

on the basis of the testing.

186. (Previously Presented) A method of screening for an agent

capable of inhibiting binding of a MAP kinase to a binding domain

of an integrin for the MAP kinase, comprising:

(a) testing a number of agents for ability to bind to either

the MAP kinase or the integrin;

(b) selecting an agent or agents identified as being able to

bind to the MAP kinase or the integrin on the basis of the

testing; and

(c) utilising the selected said agent or agents in an assay

for indicating whether the or any of the selected said agents is

capable of inhibiting the binding of the MAP kinase to the

binding domain of the integrin.

187. (Previously Presented) A method of evaluating whether an

agent is capable of inhibiting binding of a MAP kinase to a

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binding domain of an integrin for the MAP kinase, comprising:

(a) selecting the agent;

(b) utilising the agent in an assay for indicating whether

the agent is capable of inhibiting the binding of the MAP kinase

to the binding domain of the integrin; and

(c) determining if the agent is capable of inhibiting the

binding of the MAP kinase to the binding domain of the integrin

on the basis of the assay.

188. (Previously Presented) A method according to claim 187,

wherein the integrin comprises β 6.

189. (Previously Presented) A method according to claim 187,

wherein the MAP kinase is an ERK family member or a JNK family

member.

190. (Previously Presented) A method according to claim 189,

wherein the MAP kinase is ERK2.

191. (Previously Presented) An agent identified to be capable

of binding to a binding domain of an integrin for a MAP kinase by

a method as defined in claim 187.

192. (Previously Presented) An agent identified to be capable

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of inhibiting binding of a MAP kinase to a binding domain of an

integrin for the MAP kinase by a method as defined in claim 187.

193. (Currently Amended) A method of for isolating an agent

from a sample utilising a molecule immobilised on a solid support

and which agent is capable of binding to a binding site of a MAP

kinase for an integrin, said method comprising comprising:

(a) contacting the molecule immobilised on the solid support

with the sample under conditions suitable for binding of the

agent to the molecule;

(b) eluting the agent, from the solid support; and

(c) collecting the eluted agent.

194. (Previously Presented) A method according to claim 193,

wherein the molecule is an integrin subunit of the integrin or an

analog thereof.

195. (Previously Presented) A method according to claim 193,

wherein the molecule is a fragment of an integrin subunit or an

analog or derivative thereof.

196. (Currently Amended) A method according to claim 193, wherein

the molecule is a polypeptide as defined in claim 131 or an

analog or derivative thereof.

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197. (Currently Amended) A method according to claim 196, wherein

the polypeptide comprises an amino acid sequence

RSKAKNPLYRselected from the group of sequences defined in SEQ ID

NOS. 2, 3, 22 and 23.

198. (Previously Presented) A method according to claim 193,

wherein the integrin comprises β 6.

199. (Previously Presented) A method according to claim 193,

wherein the MAP kinase is an ERK family member or a JNK family

member.

200. (Previously Presented) A method according to claim 199,

wherein the MAP kinase is ERK2.

201. (Previously Presented) An agent isolated from a sample by

a method as defined in claim 193.

202 - 216. (Cancelled)

217. (Currently Amended) A method of for modulating activity

of a cell expressing an integrin having a binding domain for a

MAP kinase, the method comprising:

treating the cell with an effective amount of an agent for

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inhibitingthat inhibits binding of the a MAP kinase to the a

binding domain of the an integrin for said MAP kinase.

218. (Currently Amended) A method according to claim 217,

wherein the agent is a fragment as defined in claim 124comprises

a fragment of said integrin comprising said binding domain or an

analog or derivative thereof capable of inhibiting that inhibits

the binding of the MAP kinase to the binding domain of the

integrin.

219. (Currently Amended) A method according to claim 217,

wherein the agent is comprises a polypeptide as defined in claim

131 or an analog or derivative thereof that capable of inhibiting

the binding of the MAP kinase with the binding domain of the

integrin inhibits the binding of the MAP kinase to the binding

domain of the integrin.

220. (Currently Amended) A method according to claim 217,

wherein the agent is a fusion protein as defined in claim

139 incorporating an inhibitor moiety that inhibits binding of the

MAP kinase to the binding domain of the integrin.

221. (Currently Amended) A method according to claim 217,

wherein the agent is an agent as defined in claim 143 comprises an

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inhibitor moiety for inhibiting the binding of the MAP kinase to

the integrin and a facilitator moiety for facilitating passage of

the inhibitor moiety across the cell membrane of a cell, wherein

the facilitator moiety is linked to the inhibitor moiety.

222. (Currently Amended) A method according to claim 217, wherein

the agent binds to is a peptide capable of binding with the MAP

kinase to-and thereby inhibits binding of the MAP kinase to the

binding domain of the integrin-for the MAP kinase.

223. (Previously Presented) A method according to claim 217,

wherein the activity of the cell is growth of the cell.

224. (Previously Presented) A method according to claim 217,

wherein the cell is a cancer cell.

225. (Currently Amended) A method according to claim 217

224, wherein the cancer cell is a colon cancer cell.

226 - 235. (Cancelled)

236. (Previously Presented) A method according to claim 217

comprising administering to a mammal in need of such treatment an

effective amount of the agent.

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237. (Previously Presented) A method according to claim 236,

wherein the method comprises therapy or prophylaxis of cancer or

a condition associated with a predisposition to cancer.

238. (Previously Presented) A method according to claim 237,

wherein the cancer is selected from the group consisting of

cancer of the lip, tongue, salivary glands, gums, floor and other

areas of the mouth, oropharynx, nasopharynx, hypopharynx and

other oral cavities, oesophagus, stomach, small intestine,

duodenum, colon, rectum, gallbladder, pancreas, larynx, trachea,

bronchus, lung, breast, uterus, cervix, ovary, vagina, vulva,

prostate, testes, penis, bladder, kidney, thyroid and skin.

239. (Cancelled)

240. (New) A method according to claim 222 wherein the agent

binds to a binding site of the MAP kinase for the integrin.

241. (New) A method according to claim 217 wherein the MAP kinase

is a member of the ERK family or the JNK family.

242. (New) A method according to claim 241 wherein the MAP kinase

is ERK2.

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243. (New) A method according to claim 217 wherein the integrin

comprises an integrin subunit selected from \$3, \$5 and \$6.

244. (New) A method according to claim 217 wherein the agent

comprises a polypeptide having an amino acid sequence selected

from the group consisting of RSKAKWQTGTNPLYR (SEQ ID No. 2),

RARAKWDTANNPLYK (SEQ ID No. 22), RSRARYEMASNPLYR (SEQ ID No. 23),

RSKAKNPLYR (SEQ ID No. 3), or an analog or derivative of the

polypeptide which binds to a binding site of the MAP kinase for

the integrin.

245. (New) A method according to claim 217 wherein the agent

comprises a core amino acid sequence of the binding domain of the

integrin, or an analog or derivative of the core amino acid

sequence which binds to a binding site of the MAP kinase for the

integrin.

246. (New) A method according to claim 217 wherein the cell is a

cancer cell expressing the integrin selected from the group

consisting of cancer cells of lip, tongue, salivary glands, gums,

floor and other areas of the mouth, oropharynx, nasopharynx,

hypopharynx and other oral cavities, oesophagus, stomach, small

intestine, duodenum, colon, rectum, gallbladder, pancreas,

larynx, trachea, bronchus, lung, breast, uterus, cervix, ovary,

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vagina, vulva, prostate, testes, penis, bladder, kidney, thyroid and skin.